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(21) International Application Number: PCT/KR99/00131 (22) International Filing Date: 24 March 1999 (24.03.99) (71) Applicant (for all designated States except US): CHEIL JEDANG CORPORATION [KR/KR]; 500, 5-ga, Namdaemun-ro, Chung-ku, Seoul 100-095 (KR). (72) Inventors; and (75) Inventors/Applicants (for US only): LEE, Se, Young [KR/KR]; 847-31 Bangbae 1-dong, Seocho-ku, Seoul 137-061 (KR). SONG, Eun, Kyung [KR/KR]; Hansolmaeul LG, Apt. #201-1202, Jeongja-dong, Bundang-ku, Sungnam, Kyung-ke-do 463-010 (KR). PARK, Yeom, Hung [KR/KR]; 5/1 1122-9, Sangkye 1-dong, Nowon-ku, Seoul 139-201 (KR). KWON, Sang, Ho [KR/KR]; Pulunmaeul Ssanggyoong, Apt. #509-1305, Sunae-dong, Bundang-ku, Sungnam, Kyungke-do 463-020 (KR). LEE, Kwang, Ho [KR/KR]; 1026-50, Sadang 1-dong, Dongjak-ku, Seoul 156-091 (KR). KIM, Chang, Gyeom [KR/KR]; Galak Apt. #119-202, Galak-dong, Songpa-ku, Seoul 138-160 (KR). LEE, Jin, Ho [KR/KR]; Hyundai Apt. #104-1504, Pungdokchunly 700-1, Sujieub, Yoongin, Kyungke-do 449-840 (KR). CHUNG, Sung, Oh [KR/KR]; Kumho Apt. #201-103, Hokyedong, Dongan-ku, Anyang, Kyung-ke-do 431-080 (KR). JEON, Yeong, Joong [KR/KR];		(74) Agents: CHOI, Hak, Hyun et al.; Peeres Building, 222, 3-ka, 6th floor, Chungjung-ro, Seodaemun-ku, Seoul 120-013 (KR). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>With an indication in relation to deposited biological material furnished under Rule 13bis separately from the description.</i>
(54) Title: TREHALOSE SYNTHASE PROTEIN, GENE, PLASMIDS, MICROORGANISMS, AND A PROCESS FOR PRODUCING TREHALOSE		
(57) Abstract <p>The present invention relates to a trehalose-producing microorganism and a process for producing trehalose. It also relates to a novel trehalose synthase protein, a trehalose synthase gene, recombinant plasmids carrying said trehalose synthase gene, and transformed microorganisms with said recombinant plasmids.</p>		